

# V Tec X

THE INSPECTION X-PERT



# State-of-the-art technology for conclusive inspections



AVIATION



POWER GENERATION



AUTOMOTIVE ENGINEERING



SECURITY



PROCESS INDUSTRY



INFRASTRUCTURE

## The new VTec X - MORE FOR LESS

The VTec X offers you everything you need for less than you think.

The VTec X videoscope from NDTec has been designed to meet the specific demands of rugged industrial use. Razor-sharp images, easy handling, mobility and an unbeatable price-equipment ratio make the VTec X an all-rounder for multiple inspections.

## Know-how that provides safety

NDTec combines specialists with many years of experience in non-destructive material testing. We rely on first-class technology and innovation in our product development. The VTec X is an excellent example of this.

## Service you can rely on

We possess sound expert knowledge in many areas of application and know what users in many different branches of industry really need. NDTec offers a customized range of products that includes comprehensive services such as leasing equipment, rapid repair service and favorable contract conditions.

### BRILLIANT FULL HD LED-DISPLAY

The high-resolution, contrast-rich display can be adjusted to the brightness of the environment.

### LARGE TOUCH SCREEN

For intuitive and simple handling.

### INTUITIVE AND EASY: JOYSTICK CONTROL

For precise, lag-free probe control, with automated and patented locking brake for steady probe orientation.

### HIGH COMPATIBILITY

Slot for SD memory card, USB port for data transmission and HDMI port for image transmission.

### COMPATIBLE BATTERY PACK

Suitable for standard batteries.

### SHOCKPROOF HOUSING FOR ROBUST INDUSTRIAL USE

Made of wear- and chemical-resistant synthetic material with shock-absorbing buffers.

### ROBUST PROBE WITH 4-WAY ARTICULATION

Robust – for challenging inspection areas. With stainless steel probe head and tungsten braiding.

### RAZOR-SHARP DETAILS

High-resolution CMOS sensor in HD quality.

### BRIGHT AND CLEAR: HIGH-POWER LED LIGHT

High-power LED light source and high-performance fiber optic light guide.



## TECHNICAL DATA

<b>Camera technology</b>	CMOS
<b>Illumination</b>	LED or Fiber-optic (available in white-, infrared- or ultraviolet-light)
<b>Screen</b>	Full HD 5.5" touch screen
<b>Power supply</b>	4 rechargeable batteries, Type: 18650-protected; power adapter USB-C
<b>White balance</b>	automatic or manual
<b>Image storage</b>	
Photo	BMP, JPG, PNG
Video	MPG
Medium	SD card or PC through Micro USB
<b>Articulation</b>	
Control	2-/4-way motorized with joystick Real time with lock function Explore mode
<b>Connections</b>	SD card, USB, HDMI
<b>Base unit</b>	
Protection class	Handset IP54, probe IP67
Ambient temperature	Handset -10°C bis +50°C, probe -20°C bis +70°C
Dimensions	38 cm (L) x 17.5 cm (W) x 13 / 10 cm (H)
Weight	from 1.6 kg, depending on probe

## PROBE VERSIONS

Diameter [mm]	Working length						
	1 m	1.5 m	2 m	3 m	5 m	8 m	10 m
2.3 mm	•	•	•				
2.9 mm*	•	•	•				
3.9 mm**	•	•	•	•			
6.1 mm	•	•	•	•	•	•	•

	FN		FM		FF		SN		SM		DM	
	DOF [mm]	FOV [°]	DOF [mm]	FOV [°]	DOF [mm]	FOV [°]	DOF [mm]	FOV [°]	DOF [mm]	FOV [°]	DOF [mm]	FOV [°]
2.3 mm	3 - 50	120										
2.9 mm*	3 - 50	120										
3.9 mm**	3 - 50	70/120	7-80/8-150	110	50 - ∞	60	3-30	70	8 - 150	60		
6.1 mm	3 - 50	90/120	7-80/8-150	(90/100)/110	50 - ∞	60/70					7-80   3-30	(100   90)

**FN** Forward Near    **FM** Forward Mid  
**FF** Forward Far    **SN** Side Near  
**SM** Side Mid        **DM** Dual-Cam Mid

\* Tolerance max. 0.1 mm  
 \*\* Tolerance max. 0.2 mm

Customized performance on request.

## INCLUDED ACCESSORIES

- Transportation case
- Battery charger (with 4 slots)
- Li-ion rechargeable batteries 18650-protected, 4 pieces
- Power adaptor
- SD card incl. USB adapter
- Connection cables: USB-C, micro USB, mini HDMI

Subject to technical changes.

## OPTIONAL ACCESSORIES

- Guide Tube Rigid (GTR) with handle
- Dekabon tubing (semiflexible guide tube)
- Centering aid (for centering video probes in tubes)
- „Magic Arm“ (large or small holder)
- Magnetic stand
- Wireless SD card, SD USB reader
- Li-ion rechargeable batteries 18650-protected

## DRIVING NDT SOLUTIONS

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